

## FIG. 2 (PRIOR ART)

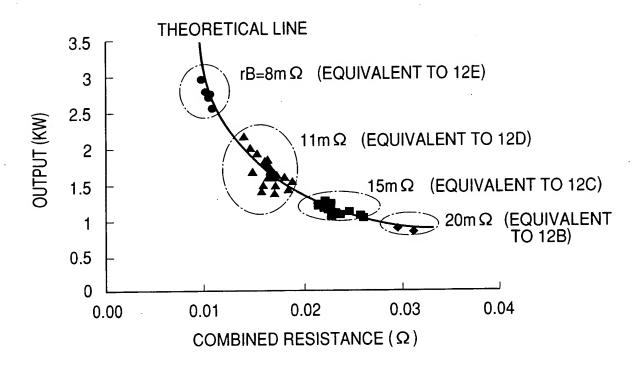


FIG. 3 (PRIOR ART)

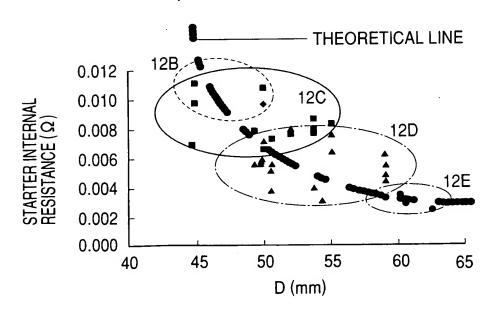


FIG. 4 (PRIOR ART)

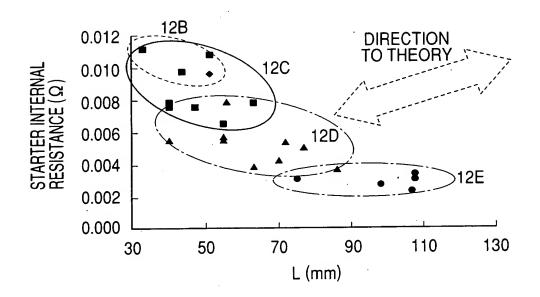
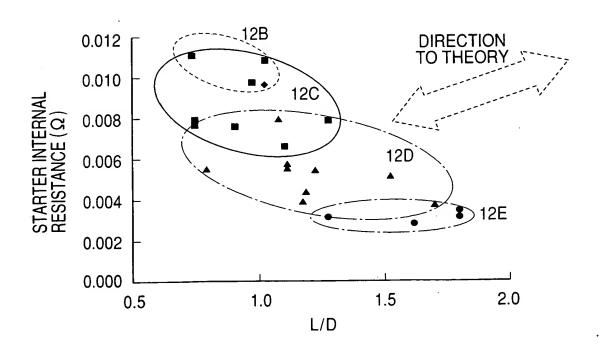
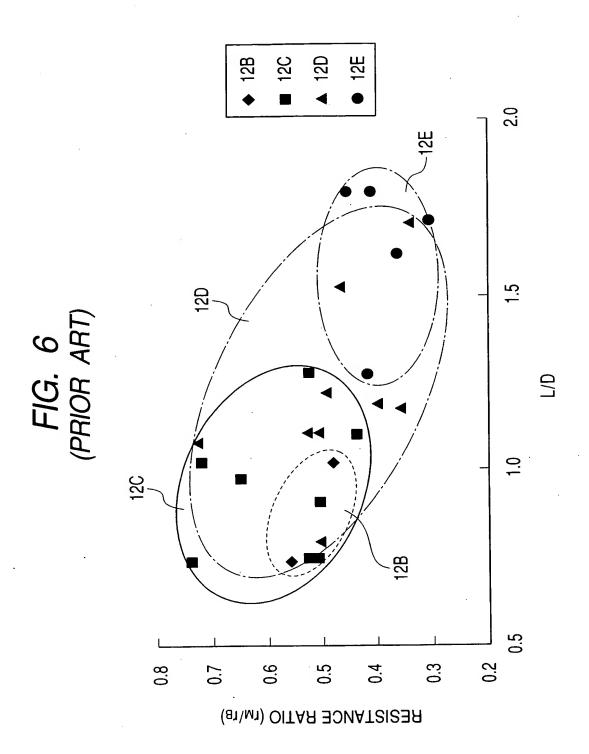


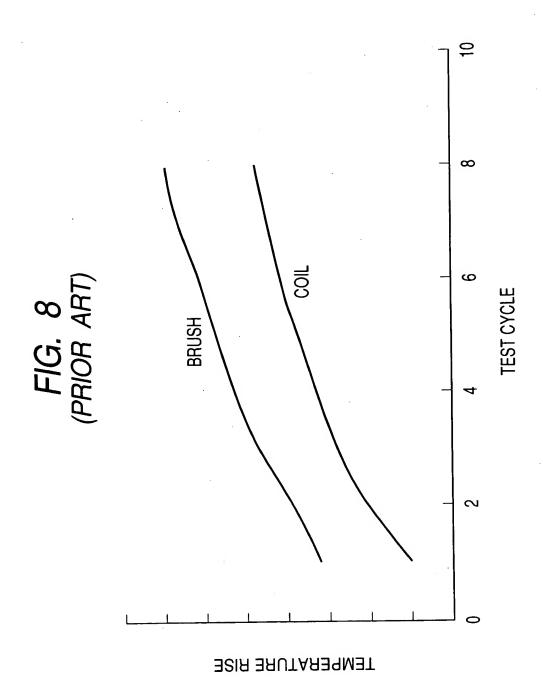
FIG. 5 (PRIOR ART)





0.012 0.010 RESISTANCE RATIO rM/rB=0.3 0.008 FIG. 7 (PRIOR ART) 900.0 0.004 BATTERY INTERNAL RES rB=20mΩ (EQUIVALENT 0.002 15mQ (12C) 11mΩ (12D) 8mΩ (12E) 0.000 0.005 0.015 0.010 0.025 0.040 0.035 0.020 COMBINED RESISTANCE ( $\Omega$ ) =  $\Gamma$ 2.85 0.85 1.85 1.05 1.35 OUTPUT (KW)

STARTER INTERNAL RESISTANCE ( $\Omega$ ) = rM



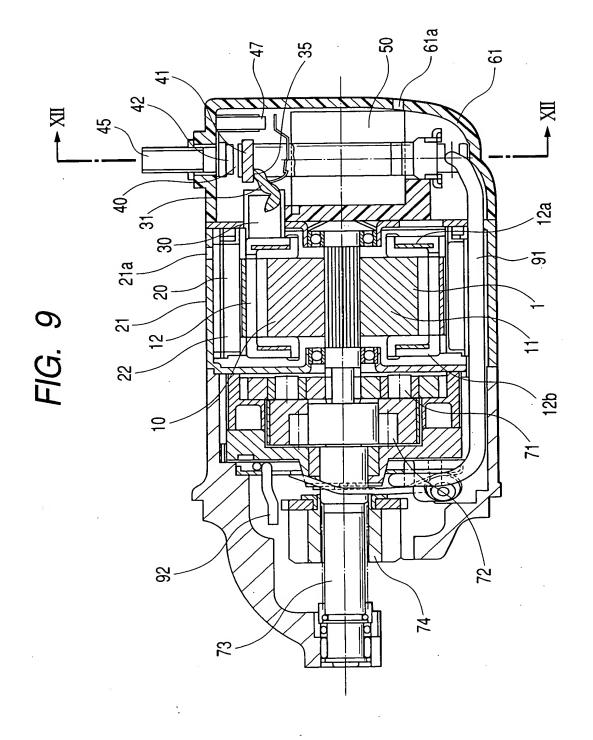


FIG. 10

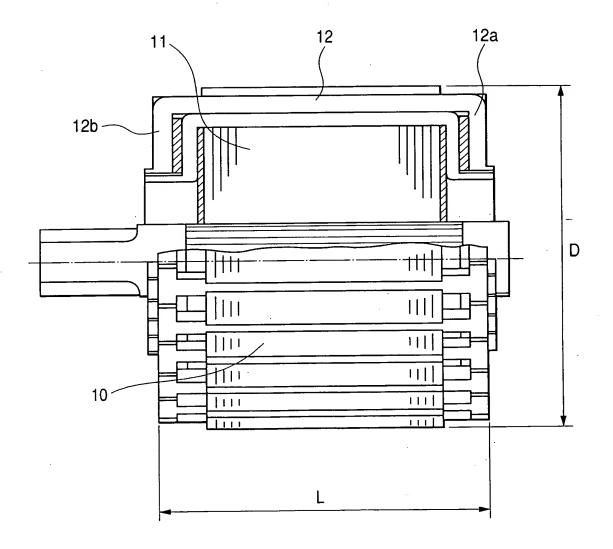


FIG. 11

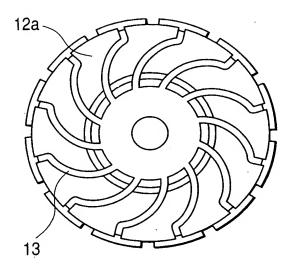


FIG. 12

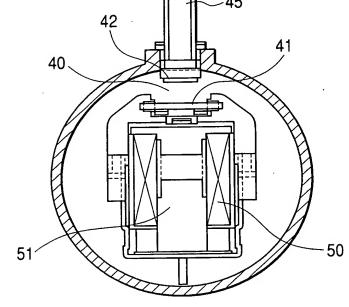
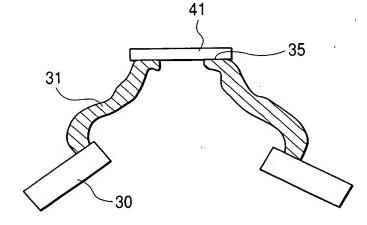


FIG. 13



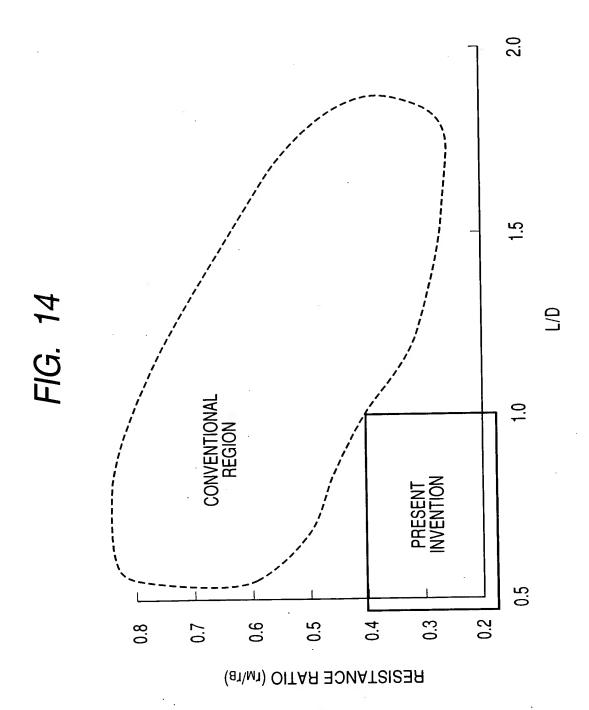
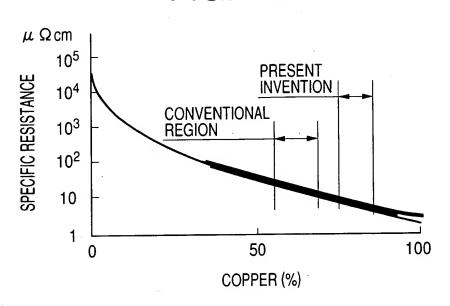
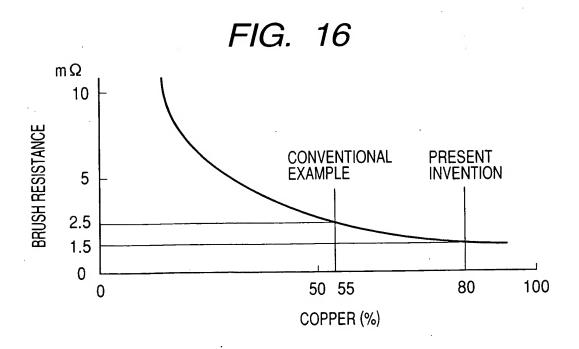


FIG. 15





CONVENTIONAL EXAMPLE (350A) CABLE HEAT TRANSFER (500A) BRUSH Cu80% COOLING AIR (500A) FIG. 17 (500A) AFTER DOWNSIZING (500A)

**BSIR BRUTARBYMET**